BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Construction of Culvert at Soundarya Layout, Vishveshwaraiah Layout, Manjunatha Nagara, Difence Colony & Vijaya Lakshmi Layout Bagalagunte W.No-14 .

						Est. Cost Rs	20.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300 1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
		Cum	15	6.00	2.20	1.00	198.00		
	Basic Rate	82.00					198.00	86.92	17210.00
	Add Area Weightage 6%	4.92							
	Total	86.92							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
		Cum	15	6.00	2.20	0.15	29.70		
	Basic Rate	4867.00					29.70	5159.02	153223.00
	Add Area Weightage 6%	292.02							
	Total	5159.02							
3	KSRB 5.2.3 Providing and constructing granite/trap/basalt size stone masonry in foundation in cement motor 1:6, Stone hammered dressed in courses not less than 20 cms high. Bond stones at two m apart in each course including cost of materials, labour, curing including cost of materials, labour, curing complete as per specifications KBS 5.1.13 Page No 23/Item No 5.6/ PWD SR 2016-17								
		Cum	2x15	6.00	0.70	0.60	75.60		
			2x15	6.00	0.45	0.45	36.45		
	Basic Rate	4187.00					112.05	4438.22	497303.00
	Add Area Weightage 6%	251.22							

	Total	4438.22							
4	KSRB 15.1.3: Providing ruled **pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 113/ Item No. 15.3 / PWD SR 2016-17								
		Sqm	2x15	6.00	0.60		108.00		
	Basic Rate	98.00					108.00	103.88	11219.00
	Add Area Weightage 6%	5.88							
	Total	103.88							
5	KSRB 4-6.4 : Providing and removing **centering**, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17								
		Sqm	15	6.00	1.00		90.00		
	Basic Rate	293.00					90.00	310.58	27952.00
	Add Area Weightage 6%	17.58							
	Total	310.58							
6	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @220 kgs with 20 mm and down size graded granite metal course aggregates @ 0.84 cum and fine aggregates @0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well comated, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per , Specification NO KBS 4.1,4.2 Page No 13/ Item No 4.7/PWD SR 2016-17								
			2x15	6.00	0.45	0.10	8.10		
	Basic Rate	5282.00					8.10	5598.92	45351.00
	Add Area Weightage 6%	316.92							
	Total	5598.92							
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD SR 2016-17)								
		Cum	15	6.00	1.90	0.30	51.30		
			32	6.00	1.00	0.30	57.60		
	Basic Rate	5441.00					108.90	5767.46	628076.00
	Add Area Weightage 6%	326.46							

	Total	5767.46							
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2016-17								
	For Bottom & Sides	Tonnes	109		90.00		9801.00		
							9801.00		
	Basic Rate	56050.00				Say	9.80	59413.00	582307.00
	Add Area Weightage 6%	3363.00							
	TOTAL	59413.00							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 150 Item No. 17.1 PWD SR 2016-17							80.80	
		Cum	Qty Vide Item No. 1				198.00	~~85.65~~	16958.00
	Loading and Unloading	68.00							
	Lead 4 KMs 2x1.28x4	12.80							
		80.80							
	Add Area Weightage 6%	~~4.85~~							
	Total	85.65							
10	Quality control Test Charges 1%								20000.00
									1360
11	Miscellaneous and UnforessenCharges								401.00
								Total	2000000.00

(Rupees.Twenty Lakhs Only)

CERTIFICATE:-

1. The Work spot has been inspected and the work is found to be necessary
2. The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3. The Provision made in estimate are adequate and essential.
4. This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. CE/AS/115/16-17 ದಿನಾಂಕ : 07/02/2017
ರೂ. ಇಪ್ಪತ್ತು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ/—
Rs. 20.00 Lakhs only /—
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.

ನಂ. ಕಂ/DD/TS/130/16-17 ದಿನಾಂಕ : 14.02.17
ರೂ. Twenty lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು